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Was this year warmer than normal?



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- It would seem that the 2003 water year was warmer than average?
 - How much warmer than average?
 - If so, what months were warmer, or cooler than normal?



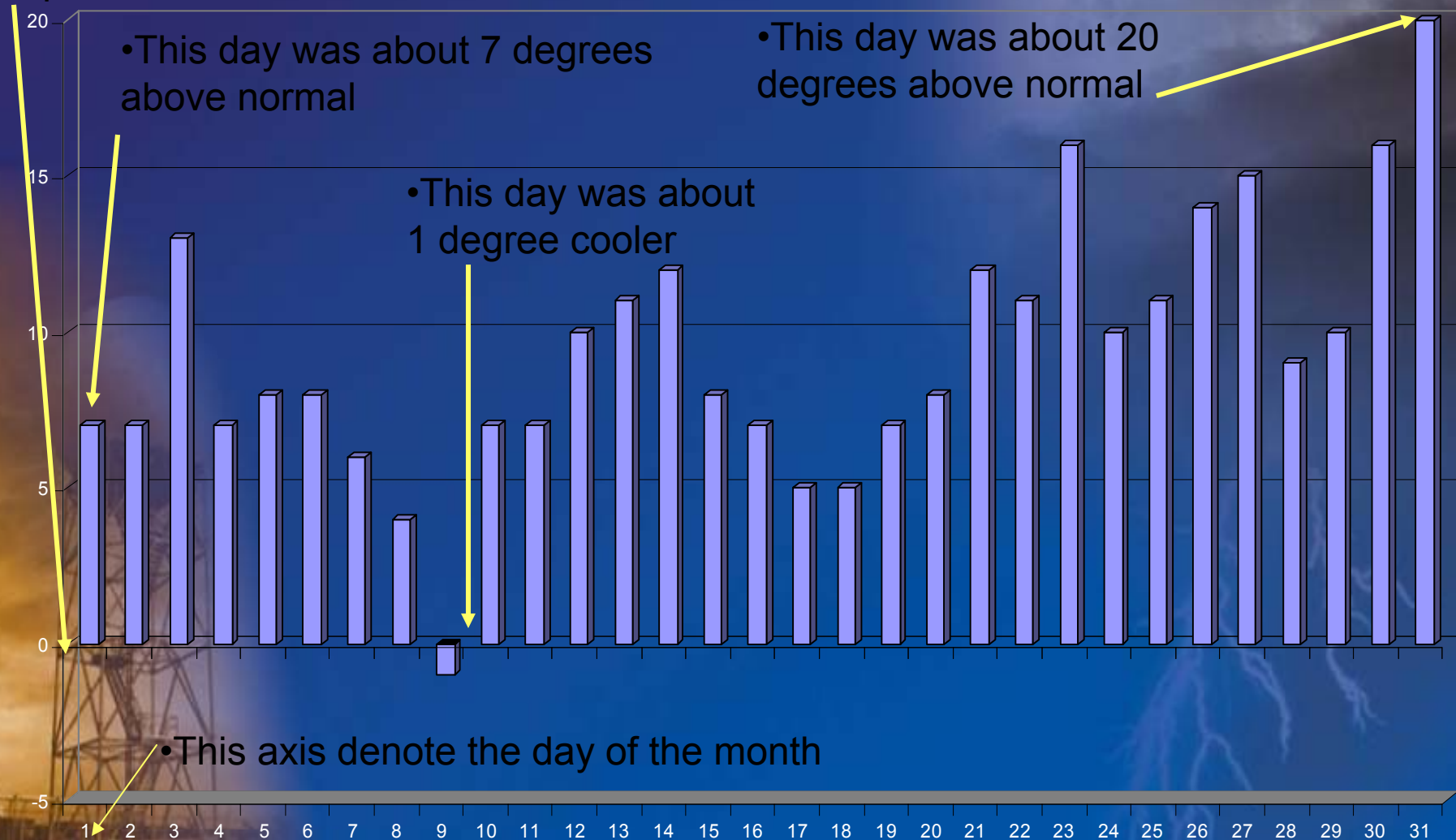
Overview

- This quick study was completed to quantify how much hotter the days of this year were compared to a normal year. The data is broken down by days, months, and the year.
- The data was observed at the National Weather Service office at the Salt Lake City Airport from October 1st of 2002 to September 30th 2003. Each day's mean average temperature was compared to the average temperature for that day. If the day was warmer, the warmth is graphed by degrees above normal, or if was cooler, degrees below normal.
- A sample graph with some helpful hints follows this slide.
- The graphs are ordered using the water year, and are sequential starting with October 2002.
- Days were then grouped into months..
- Months were then averaged for the year.



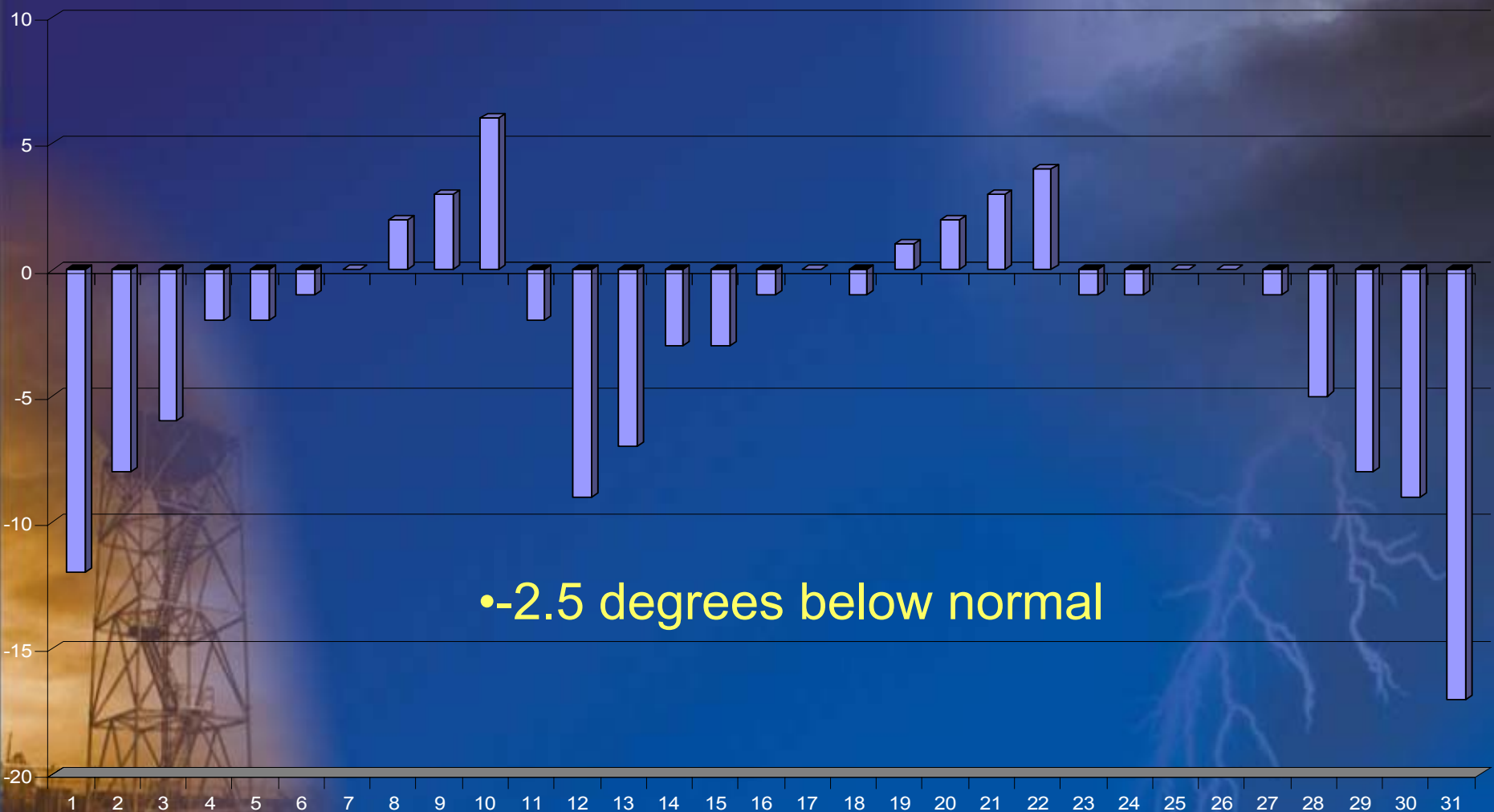
Example Slide

•Zero indicates a normal day's temperature





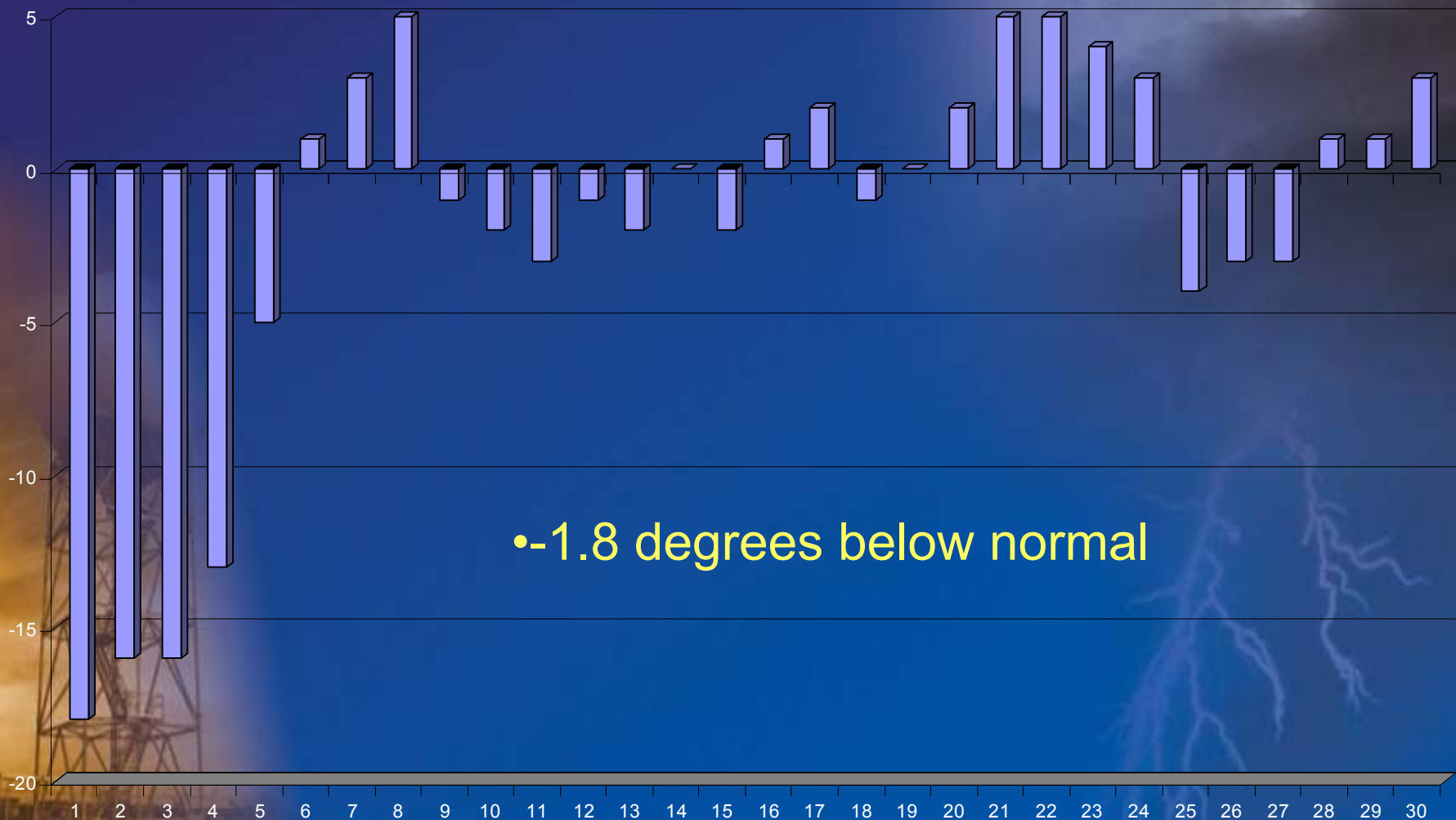
October 2002 Temperature Anomaly



• -2.5 degrees below normal

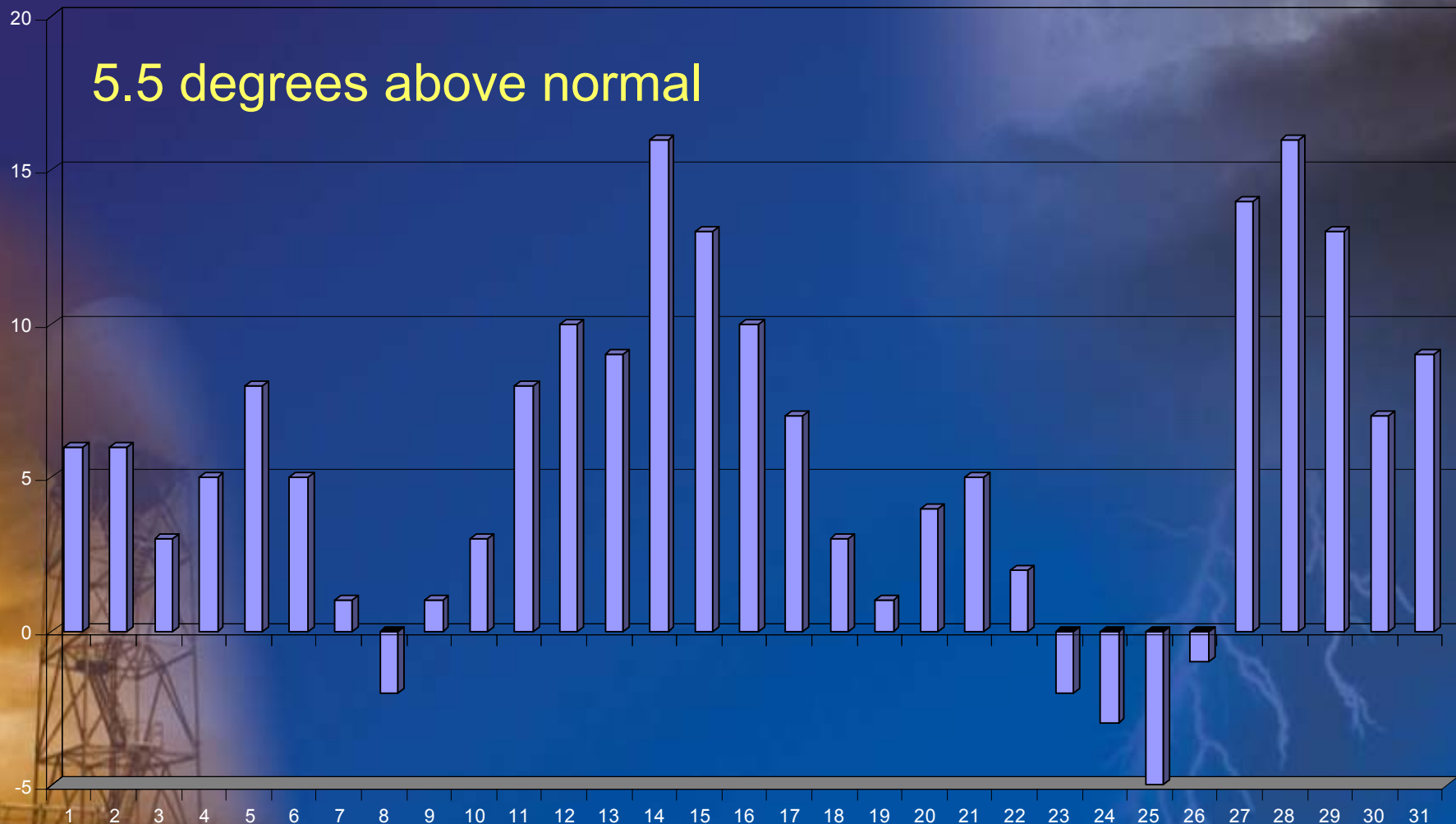


November 2002 Temperature Anomaly



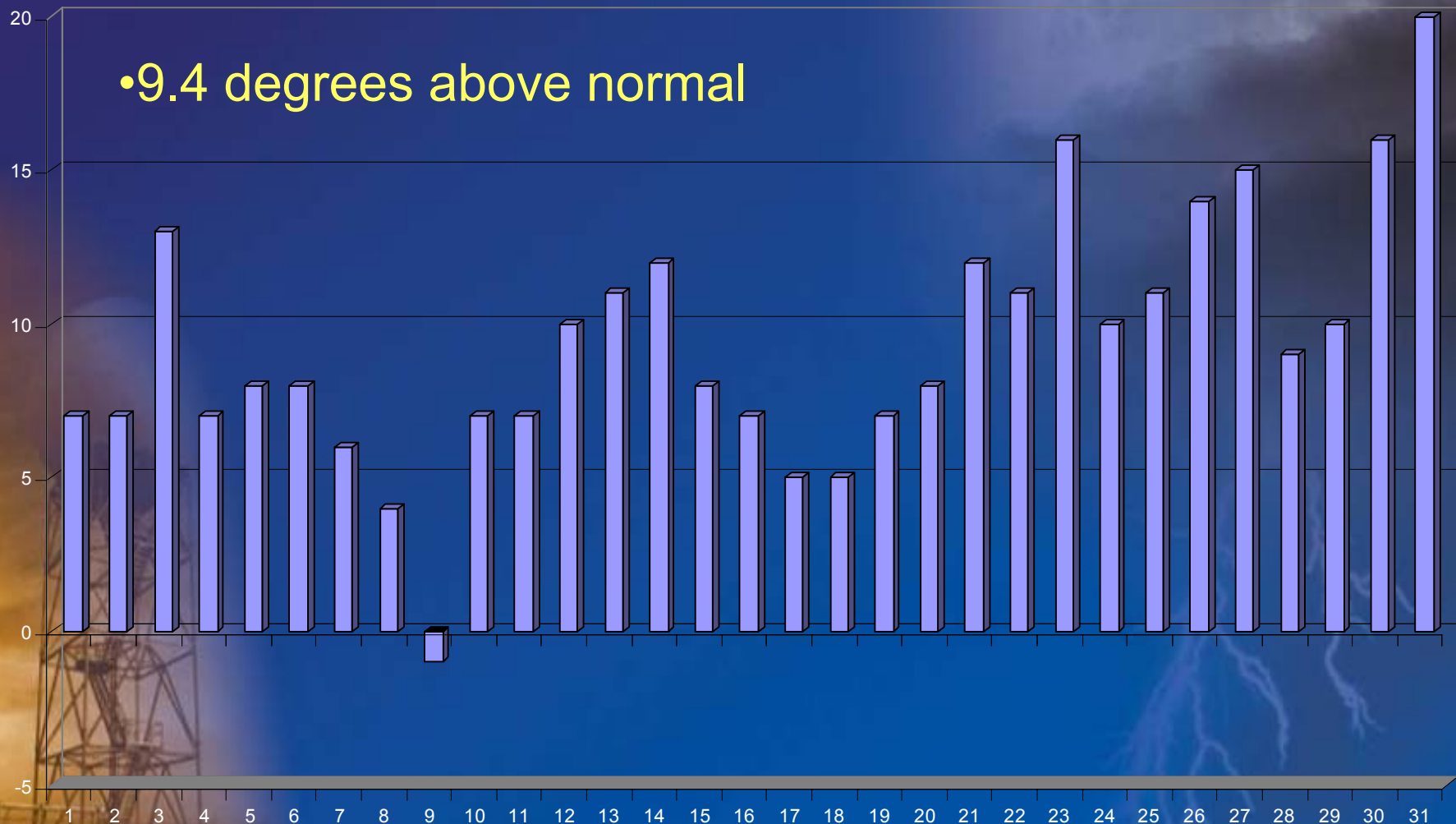


December 2002 Temperature Anomaly



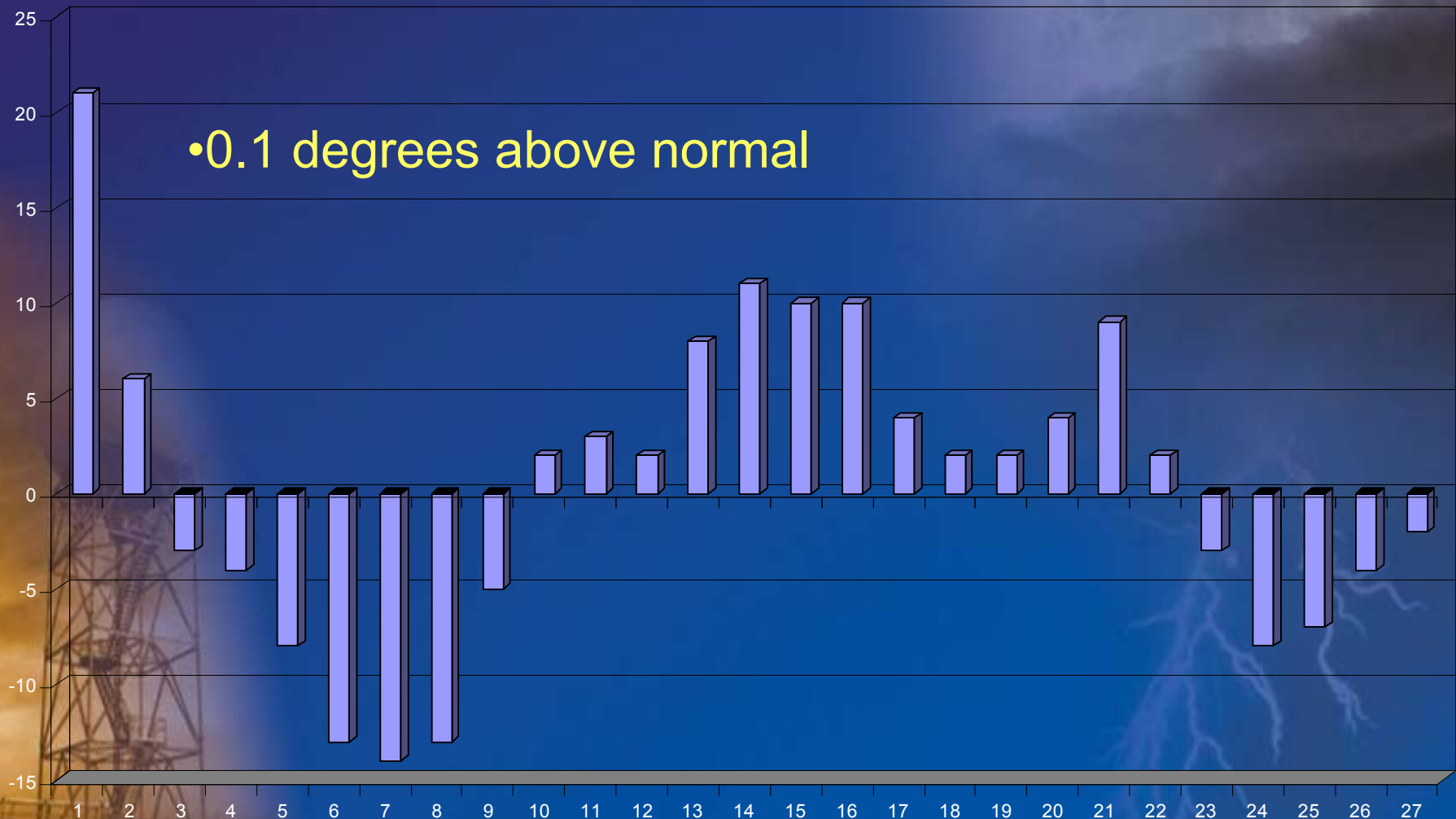


January 2003 Temperature Anomaly



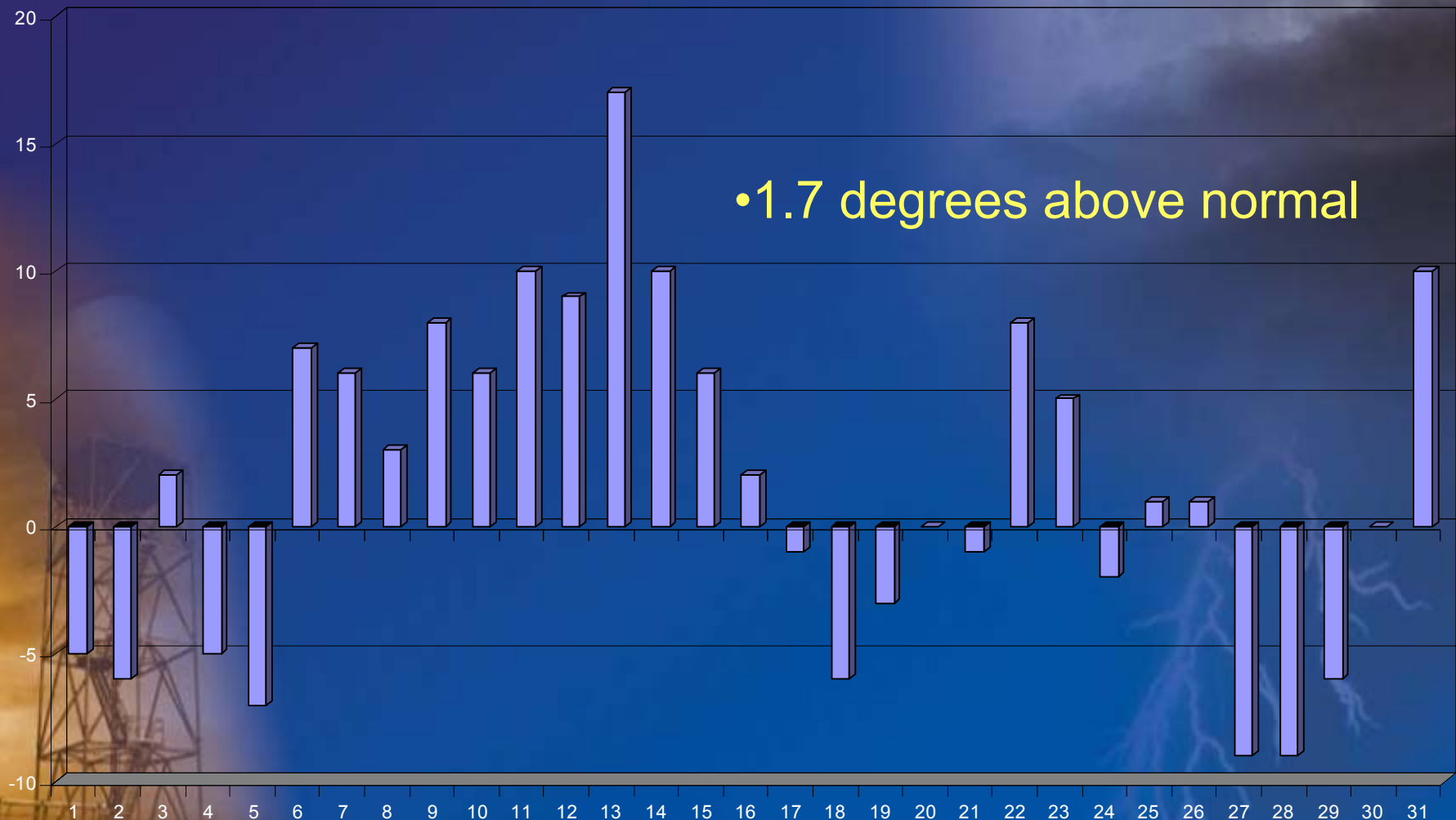


February 2003 Temperature Anomaly



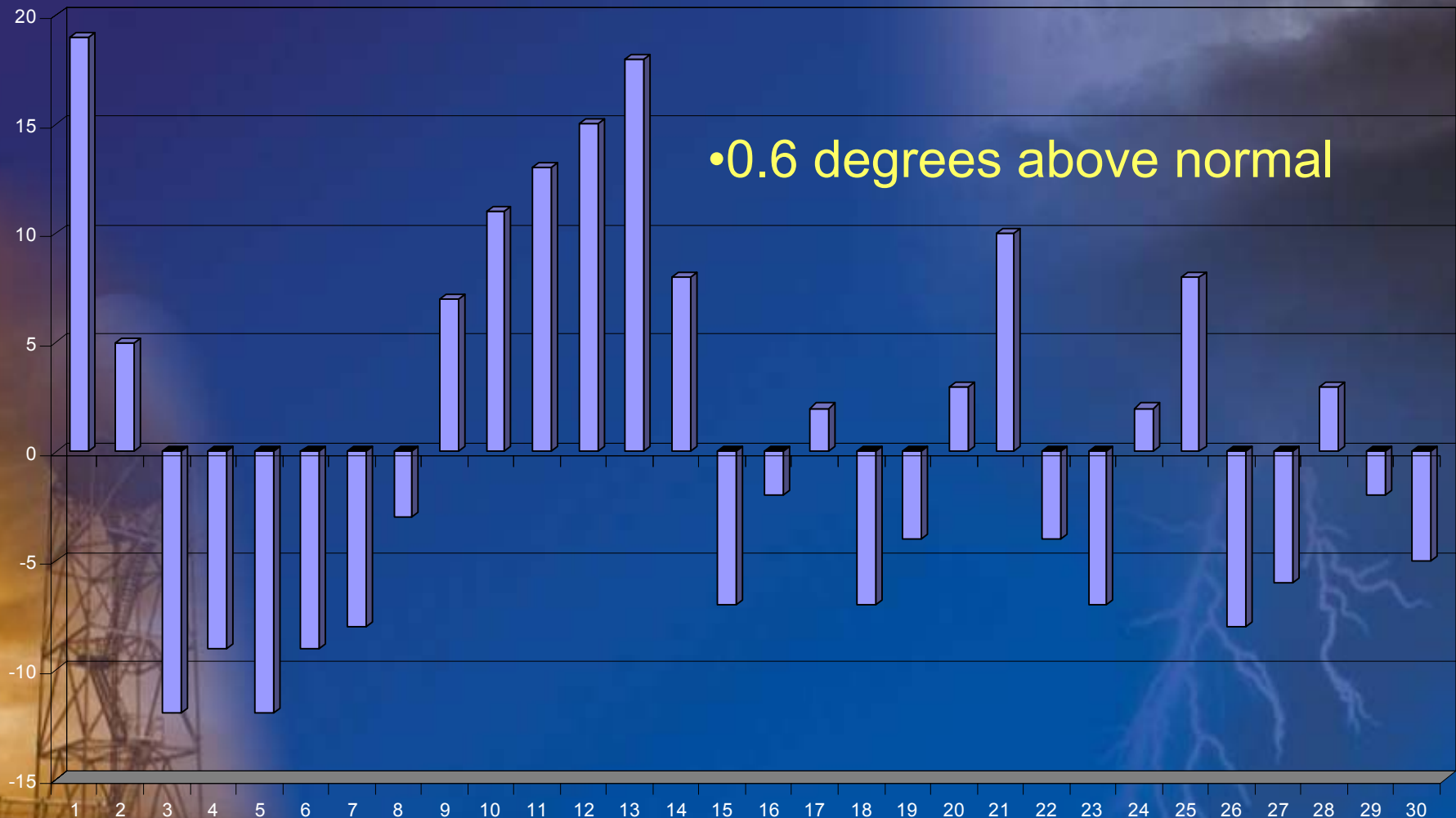


March 2003 Temperature Anomaly



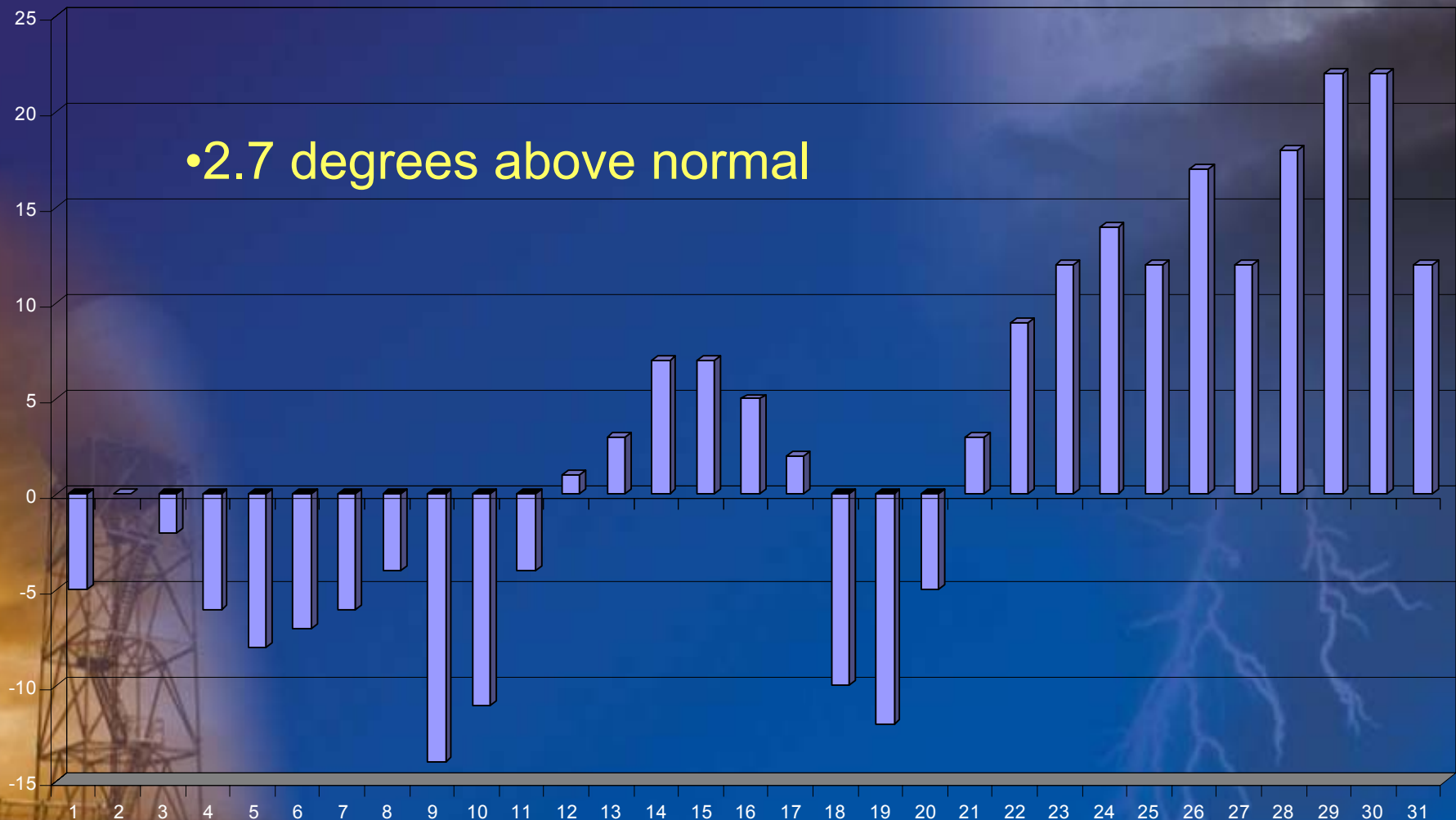


April 2003 Temperature Anomaly



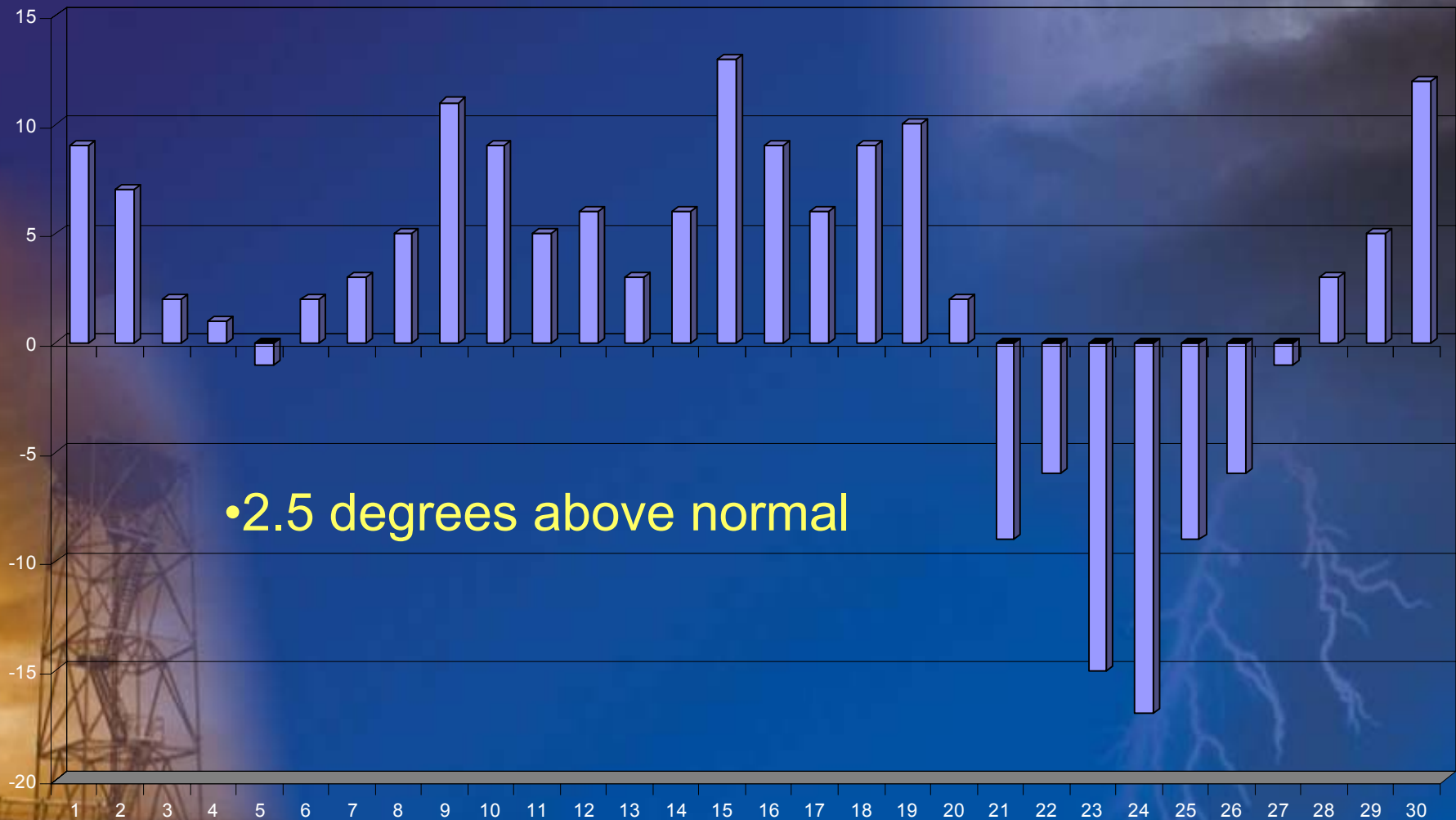


May 2003 Temperature Anomaly



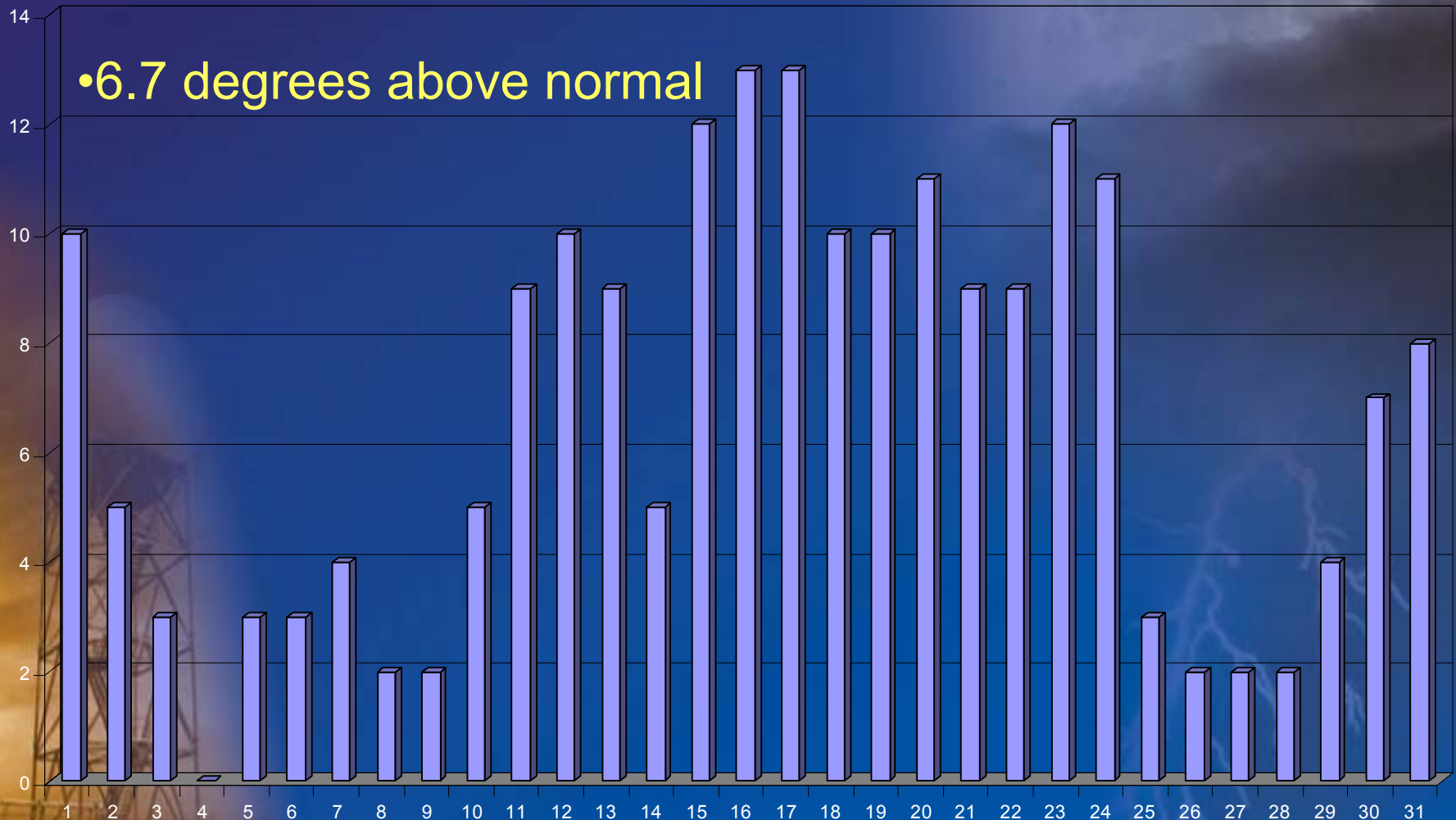


June 2003 Temperature Anomaly



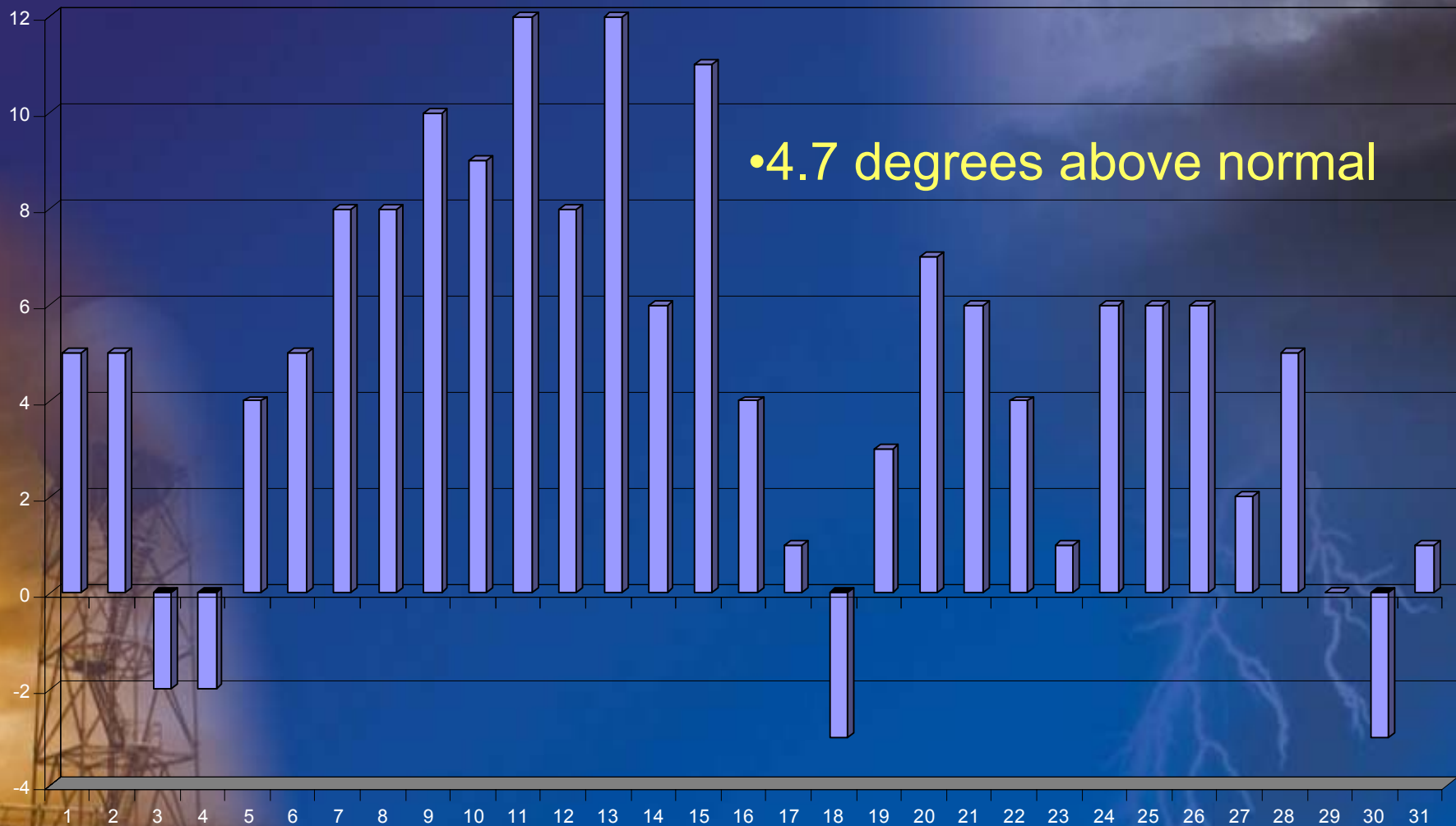


July 2003 Temperature Anomaly



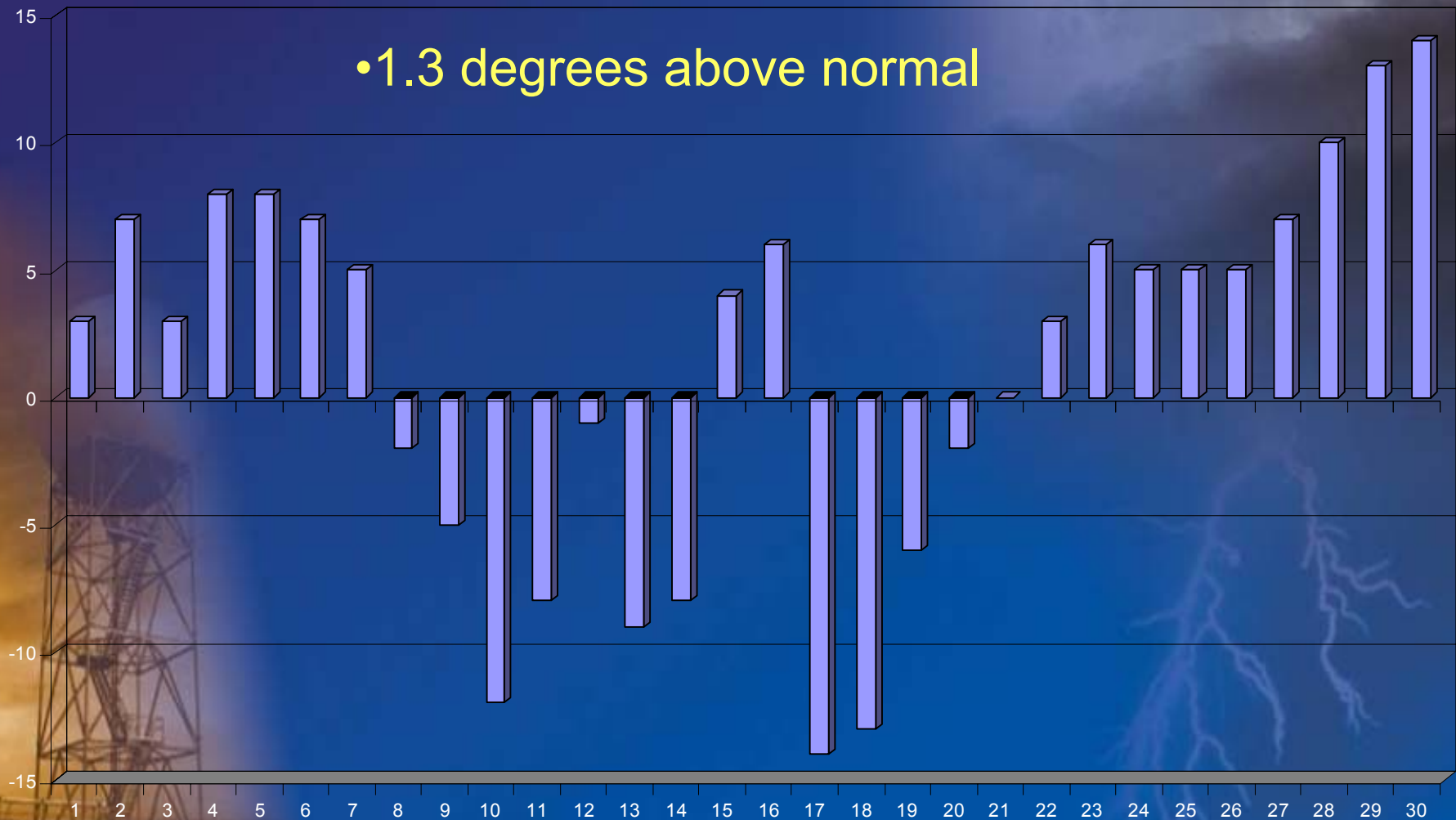


August 2003 Temperature Anomaly



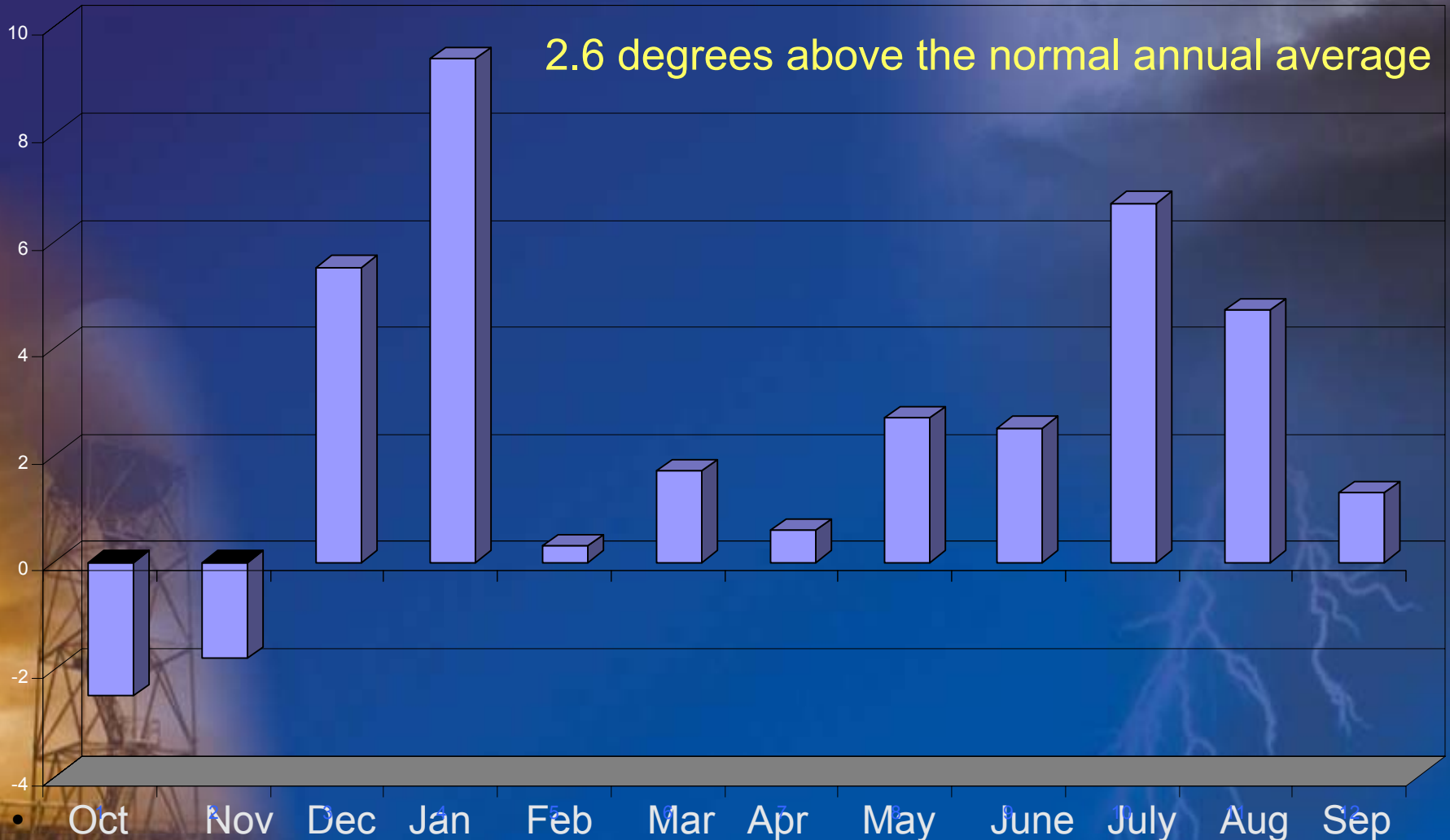


September 2003 Temperature Anomaly





2003 Water Year By Month Temperature Anomaly





Summary

- July 2003 was the warmest month all time at the Salt Lake City Airport.
- August was the second warmest August of all time at the Salt Lake City Airport.
- When compared to it's mean average daily temperature, January recorded the highest anomaly with an average temperature of 9.4 degrees above normal.
- October and November were the coolest months of the year compared to their mean average temperature, with -2.5 and -1.8 degrees below normal respectively.
- The 2003 water year at the Salt Lake City Airport was 2.6 degrees F warmer than it's daily mean temperature averaged over the year.



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Additional Information

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